

CLAIMS

1. A sealing element (27) suitable for a cable transit opening (11) provided in a wall (10) of an apparatus housing or apparatus casing, **characterised in** that the sealing element
5 has the form of an open-ended gaiter (27) which can be fitted to an outer cable (22) intended for connection to equipment (19) situated in said apparatus housing or apparatus casing, wherein the gaiter has a generally cylindrical rear end-part (26) by means of which it can be fitted to the cable in sealing abutment with its outer barrel surface, and a generally cylindrical front end-part (24), wherein said front end-part is
10 adapted for sealing abutment with the outer barrel surface tubular socket (13) which projects out from said wall at said cable transit opening and wherein the sealing element includes an elongate, flexible connecting part (27) which movably connects the two end-parts together.
- 15 2. The element of claim 1, **characterised in** that said connecting part is adapted to support the front gaiter end-part stably in two mutually different positions in relation to the rear end-part of the gaiter, namely in a forwardly displaced position (fig 1) in which the front end-part is located at a significant axial distance from the rear end-part on the one hand, and a withdrawn position (fig 2) in which the front end-part is
20 located axially close to the rear end-part on the other hand.
3. The element of claim 2, **characterised in** that the front end-part at least partially overlaps the rear end-part when in its withdrawn position.
- 25 4. The element of any one of the preceding claims, **characterised in** that the connecting part (27) has a generally conical shape in its forwardly displaced position.
5. The element of claim 4, **characterised in** that said connecting part (27) has a material thickness which decreases in a direction from its rear end to its front end; and in that
30 said connecting part is connected to the front end-part of said stocking by means of a narrow flange (28) which projects outwardly from said connecting part in a generally radial direction.

6. The element of any one of the preceding claims, **characterised in** that the rear end-part (26) of the gaiter includes a plurality of peripherally extending ridges (36) and peripherally extending grooves (37) disposed there between.
- 5 7. The element of any one of the preceding claims, **characterised in** that the front end-part of the gaiter includes an inner ring-shaped bead (29) which is intended for engagement with an external ring-shaped groove (30) in said tubular socket.
- 10 8. The element of any one of the preceding claims, **characterised in** that the sealing element is comprised of silicone rubber.
9. A method for sealingly mounting of a cable (22) to a counterpart (19) with a tubular socket (13) projecting from it using a flexible gaiter-like sealing element (23), **characterised by** the following steps,
- 15 ○ sealingly fixing a rear-end of the sealing element to the cable thereby partly covering connecting means (20) at the cable end,
- uncovering the connecting means by moving the front end-part of the sealing element to a retracted position (fig 2) using the inherent flexibility of the element while essentially keeping the rear end in its fixed position,
- 20 ○ connecting the cable to the counterpart via the tubular socket,
- moving the front end-part of the sealing element back to its initial forwardly displaced position (fig1), thus sealingly covering the connection between the cable and the tubular socket (13) of the counterpart.
- 25 10. The method of claim 10 **characterised in** that the front end-part of the sealing element is clamped to the tubular socket using a clamping ring (31).
11. The method of claim 10 or 11 **characterised in** that the rear end-part (26) of the sealing element is sealingly fixed to the cable using inherent elasticity of the sealing element or crimped or glued to the cable, possibly enhanced by using a clamping ring .
- 30 12. The method of claim 10-12 **characterised in** that the cable is an antenna feeder mounted on the roof of a radio base station cabinet for a mobile telecommunication system.